

<b>CERTIFICATE OF EXPRESS MAILING</b>	
Express Mail Label No.	<u>EL544599119US</u>
Date of Deposit	<u>September 10, 2003</u>
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
By	<u>September 10, 2003</u> <u>Michelle Chan</u>
	Michelle Chan

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No.	:	To Be Assigned	Confirmation No.:
Applicant	:	Tammy Burd Mehta	
Filed	:	Herewith	
TC/A.U.	:	1755	
Examiner	:	Jennine M. Brown	
Docket No.	:	100/03021	
Customer No.	:	021569	
Title	:	PCR Compatible Nucleic Acid Sieving Matrix	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### INFORMATION DISCLOSURE STATEMENT

Sir:

The references cited on the attached form PTO-1449 are being called to the attention of the Examiner. This application is a divisional of U.S. Patent Application No. 09/792,297, filed February 23, 2001. All references cited in the attached form 1449 have been previously cited in the parent application. Copies of documents are therefore not being provided pursuant to 37 CFR §1.98(d). If copies of the references are not available to the Examiner, the Examiner is invited to contact the undersigned.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Appl. No. To Be Assigned  
Tammy Burd Mehta

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is made that a search has been conducted or that this statement encompasses all possible relevant information.

Applicants believe that no fee is required for submission of this statement, since it is being submitted within three months of the filing date or prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account No. 03-0177. Please charge any additional fees or credit any overpayment to the above-noted deposit account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Donald R. McKenna", written over a circular stamp or mark.

Donald R. McKenna  
Reg. No. 44,922

CALIPER TECHNOLOGIES CORP.  
605 Fairchild Drive  
Mountain View, CA 94043  
Tel: 650-623-0700  
Fax: 650-623-0504

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	<b>Herewith</b>
		First Named Inventor	<b>Burd Mehta</b>
		Art Unit	<b>1755</b>
Examiner Name	<b>Jennine Brown</b>		
Sheet <b>1</b> of <b>5</b>	Attorney Docket Number <b>100/03021</b>		

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number - Kind Code (if known)			
	AA	US-4390403	06-28-1983	Batchelder	
	AB	US-4683202	07-28-1987	Mullis	
	AC	US-4908112	03-13-1990	Pace	
	AD	US-5126022	06-30-1992	Soane et al.	
	AE	US-5164055	11-17-1992	Dubrow	
	AF	US-5264101	11-23-1993	Demorest et al.	
	AG	US-5426039	06-20-1995	Wallace et al.	
	AH	US-5498392	03-12-1996	Wilding et al.	
	AI	US-5571410	11-05-1996	Swedberg	
	AJ	US-5585069	12-17-1996	Zanzucchi et al.	
	AK	US-5587128	12-24-1996	Wilding et al.	
	AL	US-5593838	01-14-1997	Zanzucchi et al.	
	AM	US-5603351	02-18-1997	Cherukuri et al.	
	AN	US-5635358	06-03-1997	Wilding et al.	
	AO	US-5637469	06-10-1997	Wilding et al.	
	AP	US-5699157	12-16-1997	Parce	
	AQ	US-5716825	02-10-1998	Hancock et al.	
	AR	US-5750015	05-12-1998	Soane et al.	
	AS	US-5770029	06-23-1998	Nelson et al.	
	AT	US-5779868	07-14-1998	Parce et al.	
	AU	US-5800690	09-01-1998	Chow et al.	
	AV	US-5842787	12-01-1998	Kopf-Sill et al.	
	AW	US-5852495	12-22-1998	Parce	
	AX	US-5869004	02-09-1999	Parce et al.	
	AY	US-5874212	02-23-1999	Prockop et al.	
	AZ	US-5876675	03-02-1999	Kennedy	
	BA	US-5880071	03-09-1999	Parce et al.	
Examiner Signature				Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Examiner Name	
Sheet	2	of	5	Attorney Docket Number	100/03021

	BB	US-5882465	03-16-1999	McReynolds	
	BC	US-5885470	03-23-1999	Parce et al.	
	BD	US-5942443	08-24-1999	Parce et al.	
	BE	US-5948227	09-07-1999	Dubrow	
	BF	US-5955028	09-21-1999	Chow	
	BG	US-5957579	09-28-1999	Kopf-Sill et al.	
	BH	US-5958203	09-28-1999	Parce et al.	
	BI	US-5958694	09-28-1999	Nikiforov	
	BJ	US-5959291	09-28-1999	Jensen	
	BK	US-5964995	10-12-1999	Nikiforov et al.	
	BL	US-5965001	10-12-1999	Chow et al.	
	BM	US-5965410	10-12-1999	Chow et al.	
	BN	US-5972187	10-26-1999	Parce et al.	
	BO	US-5976336	11-02-1999	Dubrow et al.	
	BP	US-5989402	11-23-1999	Chow et al.	
	BQ	US-6001231	12-14-1999	Kopf-Sill	
	BR	US-6004515	12-21-1999	Parce et al.	
	BS	US-6007690	12-28-1999	Nelson et al.	
	BT	US-6011252	01-04-2000	Jensen	
	BU	US-6012902	01-11-2000	Parce	
	BV	US-6013166	01-11-2000	Heller	
	BW	US-6042710	03-28-2000	Dubrow	
	BX	US-6046056	04-04-2000	Parce et al.	
	BY	US-6068752	05-30-2000	Dubrow et al.	
	BZ	US-6071478	06-06-2000	Chow	
	CA	US-6074725	06-13-2000	Kennedy	
	CB	US-6080295	06-27-2000	Parce et al.	
	CC	US-6306590	10-23-2001	Mehta	
	CD	US-6445682	09-24-2002	Barron	
Examiner Signature			Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	
		Filing Date	Herewith
		First Named Inventor	Burd Mehta
		Art Unit	1755
		Examiner Name	Jennine Brown
Sheet	3	of	5
		Attorney Docket Number	100/03021

CE	US-6492118	12-10-2002	Abrams et al.	
CF	US-20010035351	11-01-2001	Simpson et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code - Number - Kind Code (if known)					
	CG	WO-96/04547		02-15-1996	Lockheed Martin		
	CH	WO-97/02357		01-23-1997	Affymetrix		
	CI	WO-98/00231		01-08-1998	Caliper		
	CJ	WO-98/00705		01-08-1998	Caliper		
	CK	WO-98/00707		01-08-1998	Caliper		
	CL	WO-98/02728		01-22-1998	Caliper		
	CM	WO-98/05424		02-12-1998	Caliper		
	CN	WO-98/22811		05-28-1998	Caliper		
	CO	WO-98/45481		10-15-1998	Caliper		
	CP	WO-98/45929		10-15-1998	Caliper		
	CQ	WO-98/46438		10-22-1998	Caliper		
	CR	WO-98/49548		11-05-1998	Caliper		
	CS	WO-98/55852		12-10-1998	Caliper		
	CT	WO-98/56505		12-17-1998	Caliper		
	CU	WO-98/56956		12-17-1998	Caliper		
	CV	WO-99/00649		01-07-1999	Caliper		
	CW	WO-99/10735		03-04-1999	Caliper		
	CX	WO-99/12016		03-11-1999	Caliper		
	CY	WO-99/16162		04-01-1999	Caliper		
	CZ	WO-99/19516		04-22-1999	Caliper		
	DA	WO-99/19056		04-22-1999	Caliper		
	DB	WO-99/29497		06-17-1999	Caliper		
	DC	WO-99/31495		06-24-1999	Caliper		
	DD	WO-99/34205		06-24-1999	Caliper		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	
		Filing Date	Herewith
		First Named Inventor	Burd Mehta
		Art Unit	1755
		Examiner Name	Jennine Brown
Sheet 4 of 5	Attorney Docket Number	100/03021	

DE	WO-99/43432	09-02-1999	Caliper	
DF	WO-99/44217	09-02-1999	Caliper	
DG	WO-99/56954	11-11-1999	Caliper	
DH	WO-99/64848	12-16-1999	Caliper	
DI	WO-00/09753	02-24-2000	Caliper	
DJ	WO-00/50172	08-31-2000	Caliper	
DK	WO-00/60108	10-12-2000	Caliper	
DL	WO-01/14064	03-01-2001	Caliper	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T	
	DM	Barringer et al. "Blunt-end and single-strand ligations by Escherichia coli Ligase: influence on an in vitro amplification scheme," <u>Gene</u> (1990) 89(1):117-122		
	DN	Beskin et al. "On the mechanism of the modular primer effect" <u>Nucl. Acids Res.</u> (1995) 23(15):2881-2885		
	DO	Cheng et al. <u>Nature</u> (1994) 369:684-685		
	DP	Cohen, C.B. et al. "A Microchip-Based Enzyme Assay for Protein Kinase A" <u>Anal. Chem.</u> (1999) 273:89-97		
	DQ	Dasgupta, P.G. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis" <u>Anal. Chem.</u> (1994) 66:1792-1798		
	DR	Effenhauser et al. "High-speed separation of antisense oligonucleotides on a micromachined capillary electrophoresis device" <u>Anal. Chem.</u> (1994) 66:2949-2953		
	DS	Fouassier et al. "Polymérisation induite sous irradiation laser visible" <u>Makromol. Chem.</u> (1991) 192:245-260		
	DT	Guatelli et al., <u>PNAS</u> (1990) 87:1874		
	DU	Hagiwara et al. "Long distance sequencer method: a novel strategy for large DNA sequencing projects" <u>Nucl. Acids Res.</u> (1996) 24(12):2460-2461		
	DV	Ike et al., "Electrostatic and Hydrodynamic Separation of DNA Fragments in Capillary Tubes" <u>Anal. Chem.</u> (1996) 68:4321-4325		
	DW	Jacobson, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis" <u>Anal. Chem.</u> (1995) 67:2059-2063		
	DX	Kwoh et al., <u>PNAS</u> (1990) 86:1173		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	
		Filing Date	Herewith
		First Named Inventor	Burd Mehta
		Art Unit	1755
		Examiner Name	Jennine Brown
Sheet	5	of	5
		Attorney Docket Number	100/03021

DY	Landegren et al. <u>Science</u> (1988) 241:1077-1080
DZ	Lantz et al., "Detection of Pathogenic <i>Yersinia enterocolitica</i> in Enrichment Media and Pork by a Multiplex PCR: A Study of Sample Preparation and PCR-inhibitory Components" <u>Int'l. J. Food Microbiol.</u> (1998) 45:93-105
EA	Manz, A. et al., "Electroosmotic pumping and electrophoretic separations for miniaturized chemical analysis systems," <u>J. Micromech. Microeng.</u> (1994) 4:257-265
EB	Neckers et al. "Photopolymerization using derivatives of fluorescent" <u>Polym. Material Sci. Eng.</u> (1989) 60:15
EC	Porter et al. "Direct PCR sequencing with boronated nucleotides" <u>Nucl. Acids Res.</u> (1997) 25(8):1611-1617
ED	Raja et al. "DNA sequencing using differential extension with nucleotide subsets (DENS)" <u>Nucl. Acids Res.</u> (1997) 25(4):800-805
EE	Ramsey, J.M. et al., "Microfabricated chemical measurement systems" <u>Nature Med.</u> (1995) 1:1093-1096
EF	Seiler, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency" <u>Anal. Chem.</u> (1993) 65:1481-1488
EG	Seiler, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow Within a Manifold of Capillaries on a Glass Chip" <u>Anal. Chem.</u> (1994) 66:3485-3491
EH	Sooknanan et al., <u>Biotechnology</u> (1995) 13:563-564
EI	Sundberg, S.A. "High-Throughput and Ultra-High-Throughput Screening: solution - and cell-based approaches" <u>Curr. Opin. Biotech.</u> (2000) 11:47-53
EJ	Van Brunt <u>Biotechnology</u> (1990) 8:291-294
EK	Watson et al., "Purification and Characterization of a Common Soil Component which Inhibits the Polymerase Chain Reaction," <u>Can. J. Microbiol.</u> (2000) 46:632-642
EL	Wilding et al. "PCR in a silicon microstructure" <u>Clin. Chem.</u> (1994) 40(9):1815-1818
EM	Witt et al., "Techniques for the Evaluation of Nucleic Acid Amplification technology Performance with Specimens Containing Interfering Substances: Efficacy of boom Methodology for Extraction of HIV-1 RNA" <u>J. Virological Methods</u> (1999) 79:97-111
EN	Woolley et al. "Ultra-high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips" <u>PNAS USA</u> (1994) 91:11348-11352
EO	Wu et al., <u>Genomics</u> (1989) 4:560-569

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.